

## Abstract

Lubricating oil compositions for internal combustion engines comprises a mineral and/or synthetic base oil, (A) a succinimide-based ashless dispersant in an amount of 0.08 to 0.40 percent by mass in terms of nitrogen, (B) a metallic detergent in an amount of 0.06 to 0.22 percent by mass in terms of metal element, (C) a zinc secondary alkyldithiophosphate in an amount of 0.04 to 0.08 percent by mass in terms of phosphorus, and (D) a phosphorus-containing ashless anti-wear agent in an amount of 0.01 to 0.04 percent by mass in terms of phosphorus and contains sulfated ashes derived from the metal elements in the composition in an amount of 0.3 to 1.0 percent by mass. The lubricating oil compositions are excellent in anti-wear properties and high-temperature detergency although they are decreased in ash content.